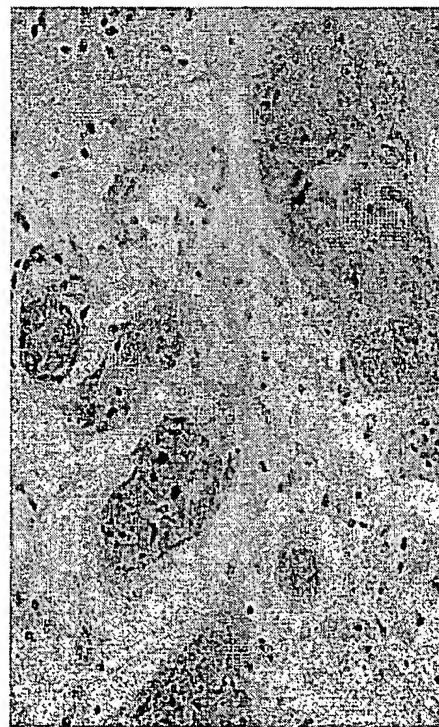
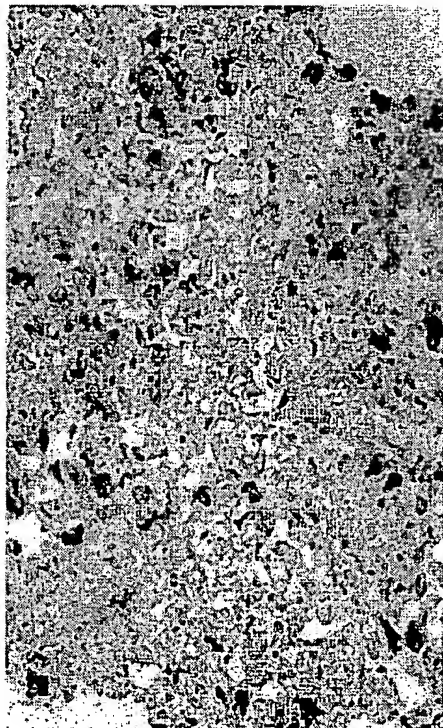
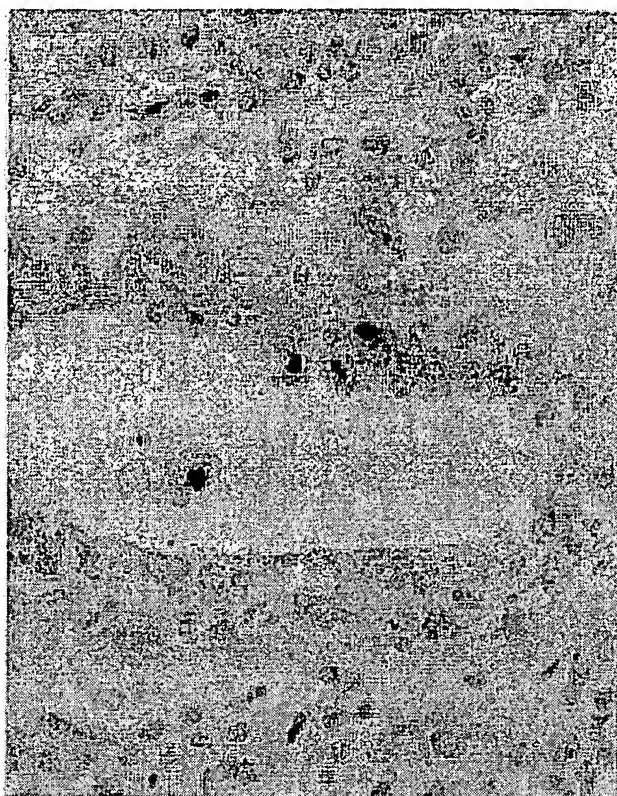


adjacent normal

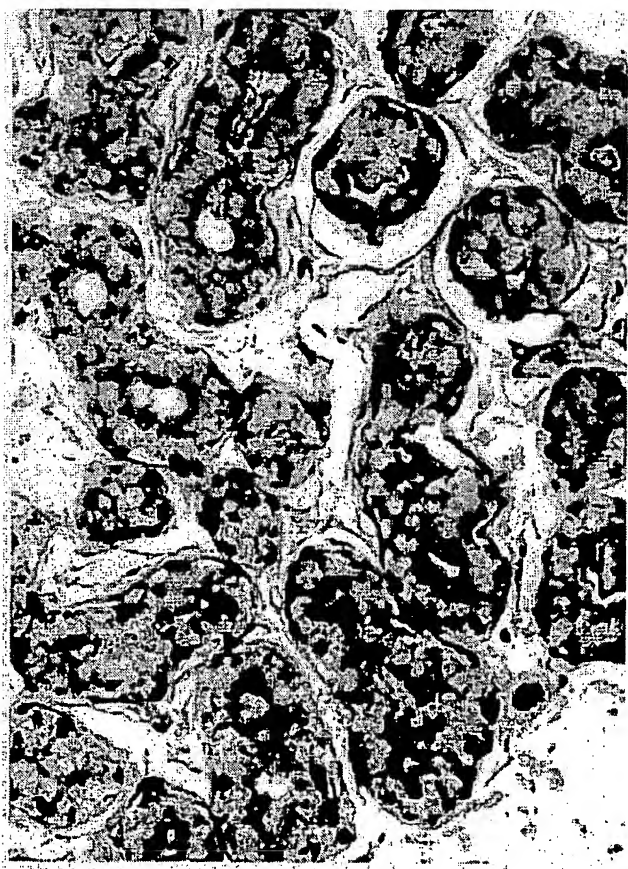


adjacent hyperplasia

FIG. 1



normal adjacent



infiltrating ductal carcinoma

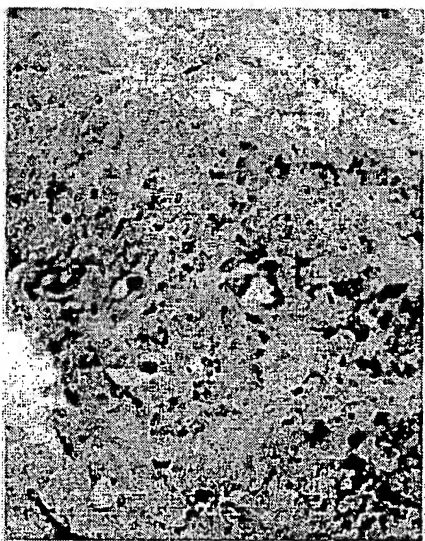
FIG. 2



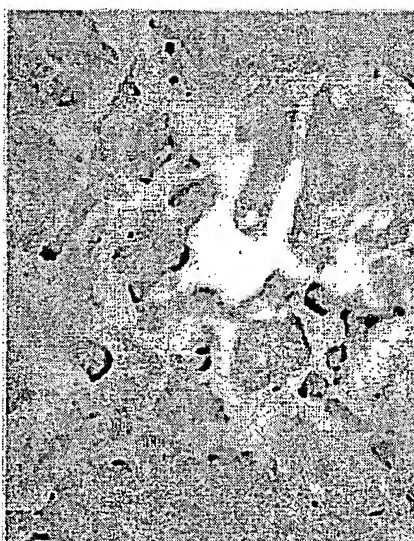
Infiltrating
adenocarcinoma



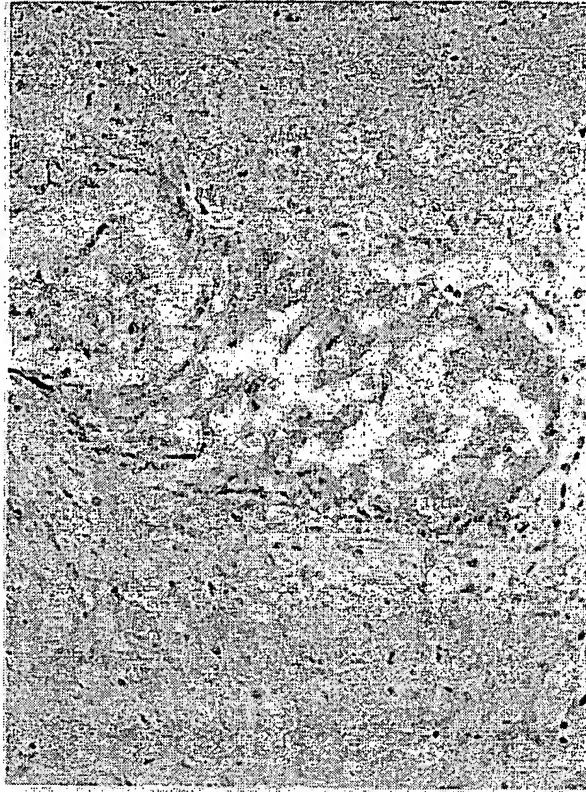
Papillary serous
cystadenocarcinoma



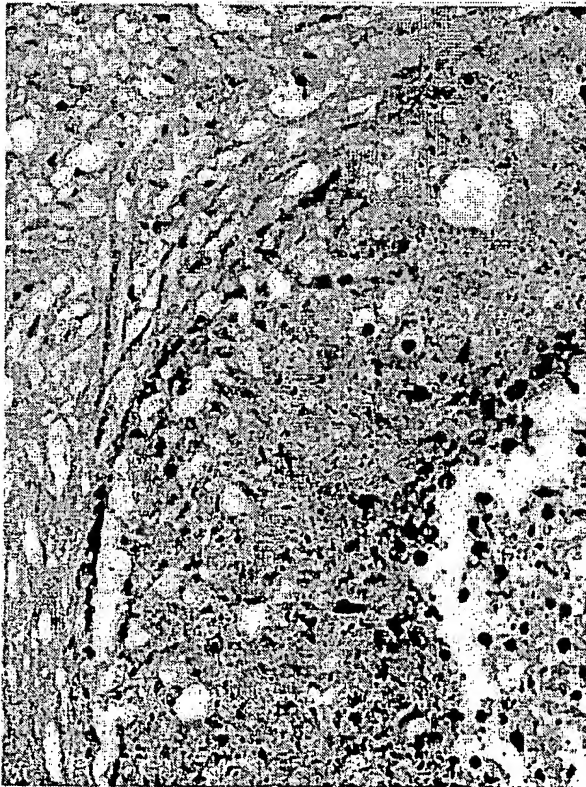
Papillary serous
cystadenocarcinoma



Papillary mucin
producing carcinoma



adjacent normal



adenocarcinoma

FIG. 4A

Tumor



Tumor

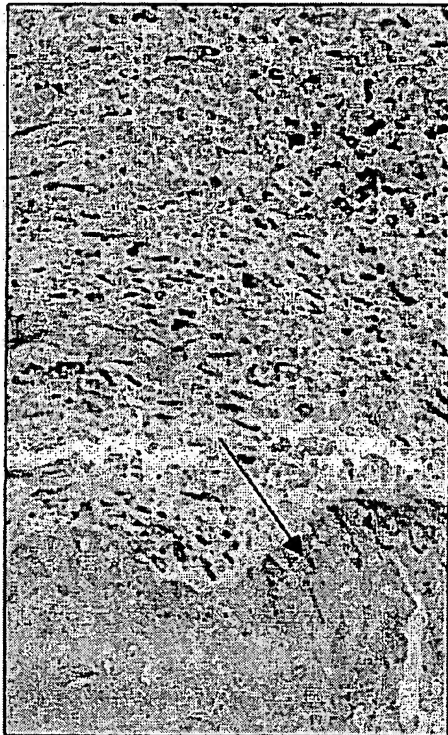


Normal

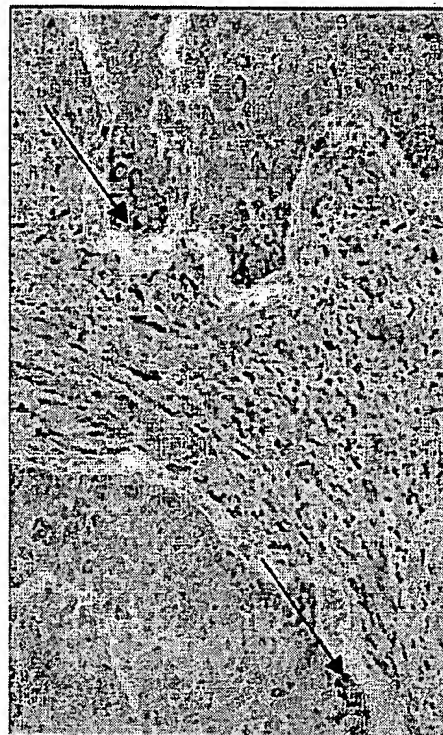


FIG. 4B

Tumor



Tumor



Normal

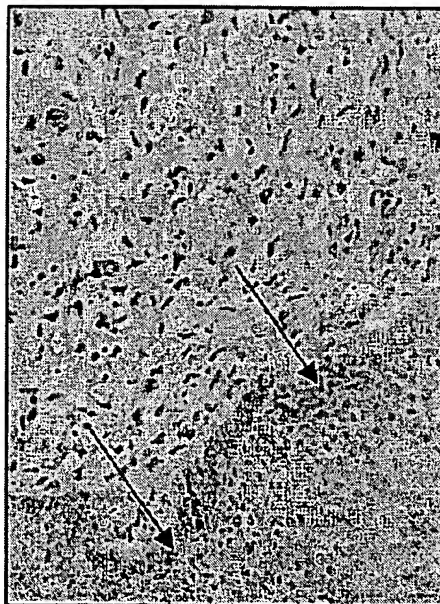
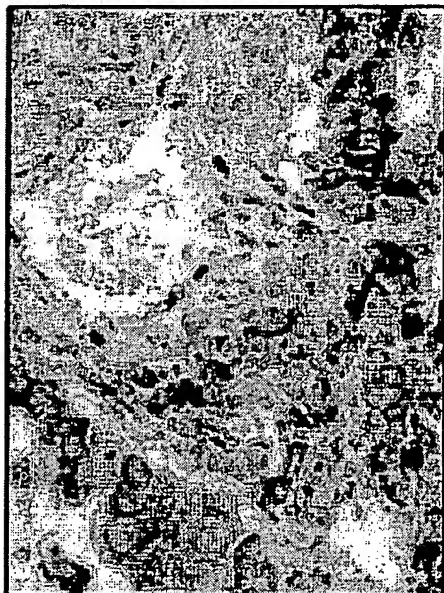


FIG. 4C

Tumor



Tumor



Normal



FIG. 4D

Tissue	Tumor	Normal	Notes
Prostate	9/9 positive	stroma positive	tumor range + to +++, stroma +++
Breast	2/12 positive	some endothelium positive glandular epithelium ++ to +++	tumor range + to +++
Lung	9/9 positive	alveoli negative some endothelium ++	tumor range mixed to +++
Ovary	8/10 positive	stroma mostly negative corpus luteum +++	tumor range 1 mixed, 8+++ 1 borderline case low
Colon	3/5 positive	endothelium negative some endothelium positive inflammatory cells positive	tumor range mixed/variable focal to +++ 2 tumor-, had stroma +++
Kidney	5/5 negative	endothelium positive	all tumors +++ vascular endothelium
Brain	5/5 positive	some positivity in neurons	tumor range + to +++ (gliomas)
Cervix	5/5 positive	endothelium negative stroma positive	tumor range + to +++, tumor stroma +++, transition- to +++, hyperplastic area +
Bladder	2/5 positive	urothelium negative submucosal stroma cells +++	tumors to +++ transition with de-differentiation assoc. stroma more strongly +++ than normal

FIG. 4E

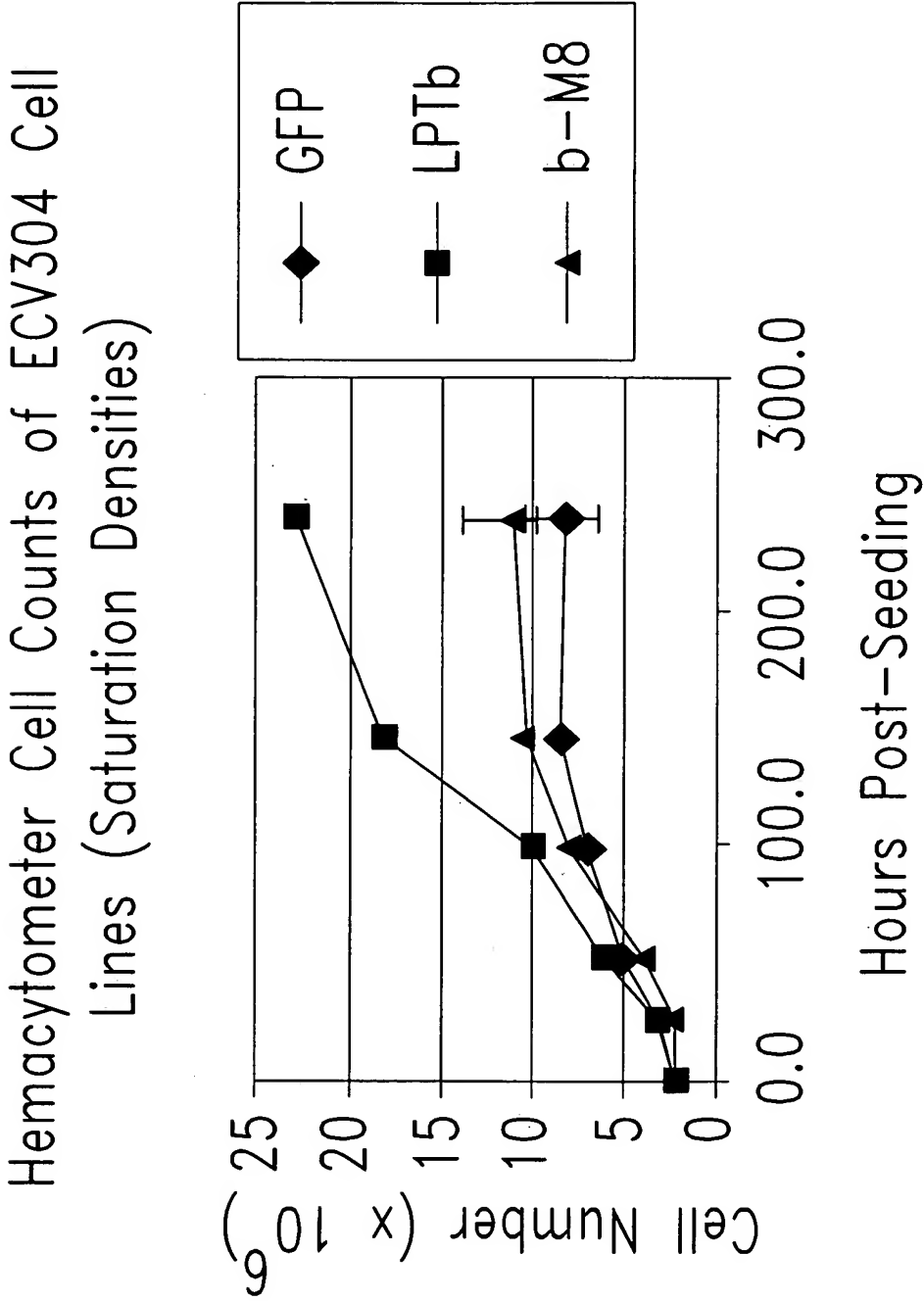
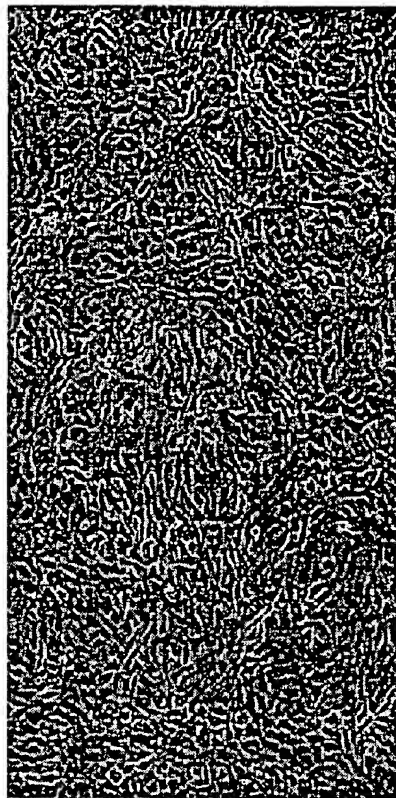
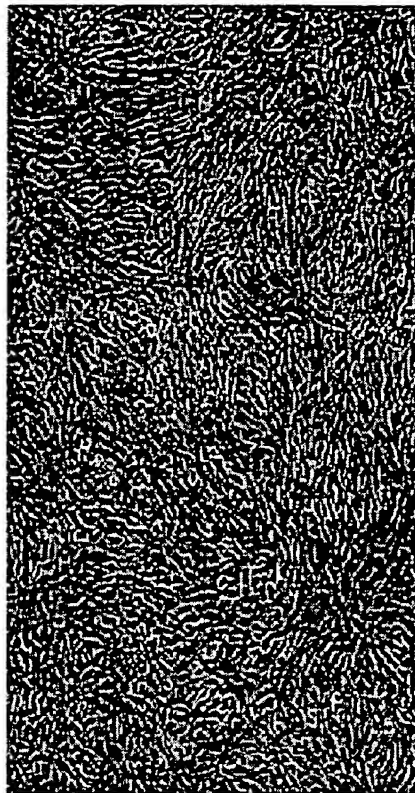


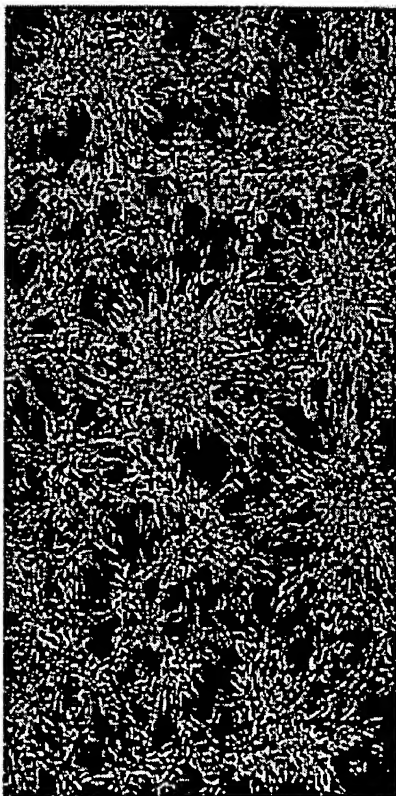
FIG. 5A



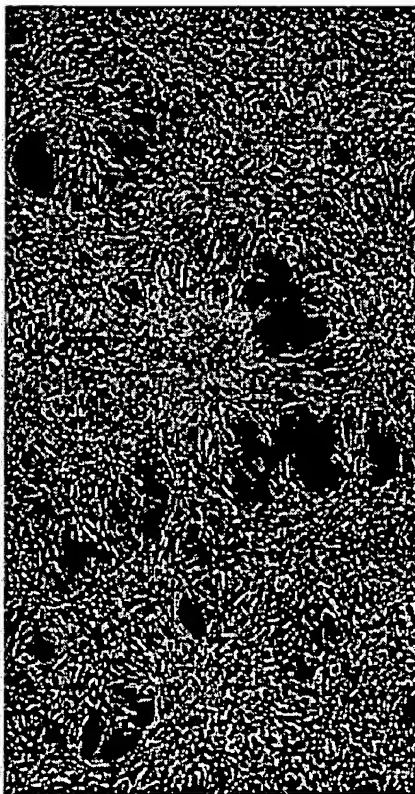
control



Hc2 CRE



+ Ki-ras



Hc2

FIG. 5B

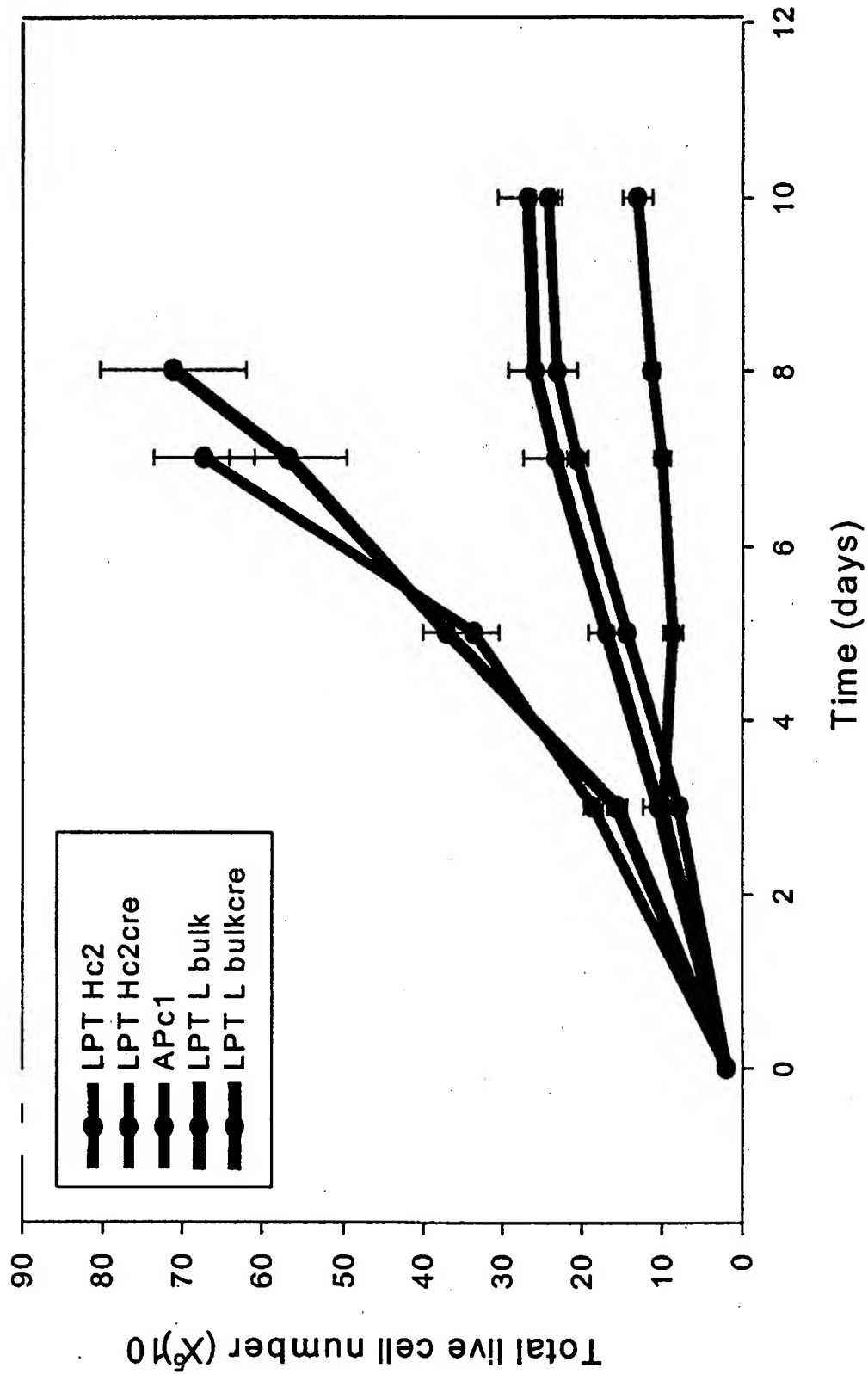


FIG. 5C

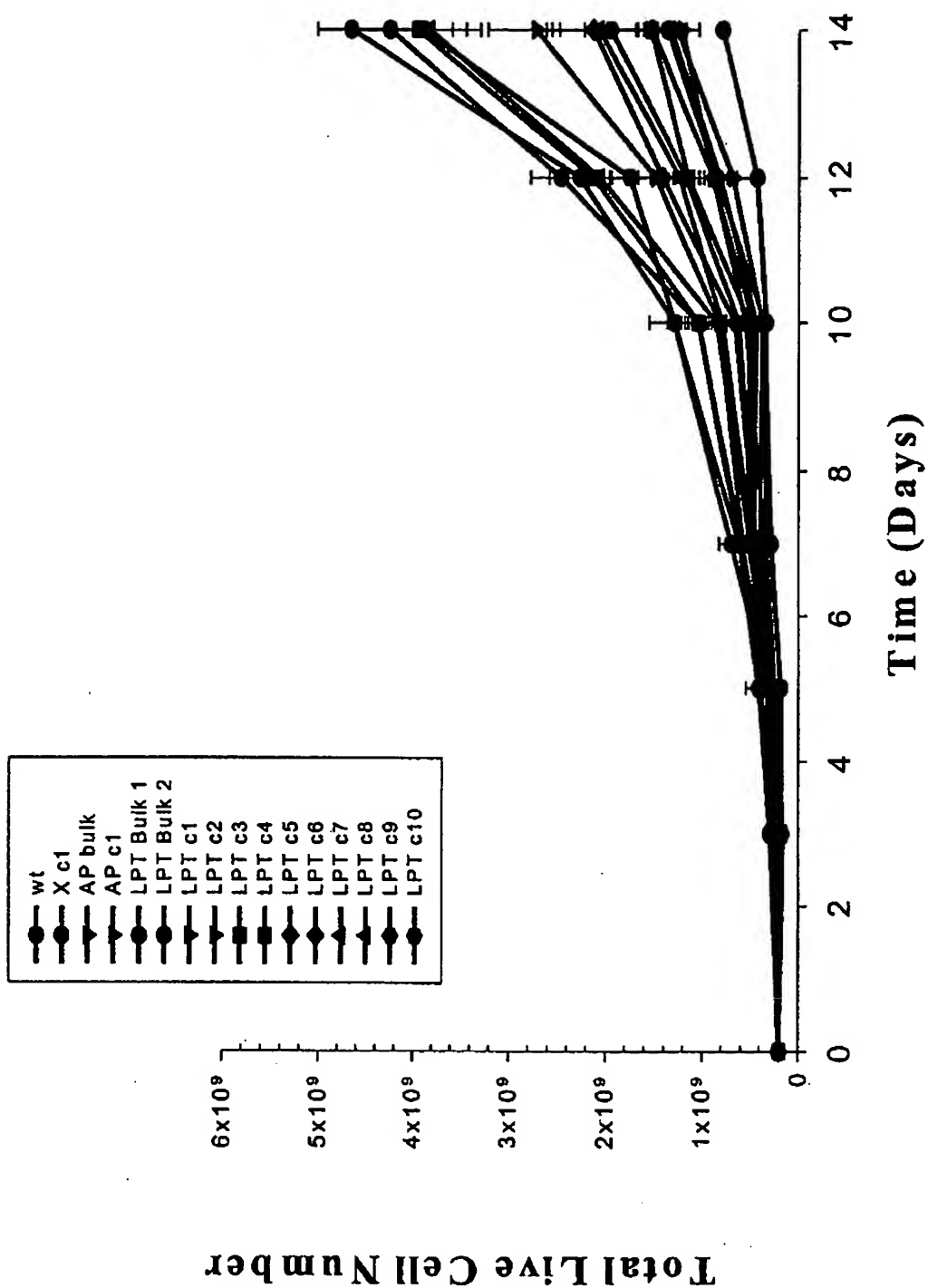


FIG. 5D

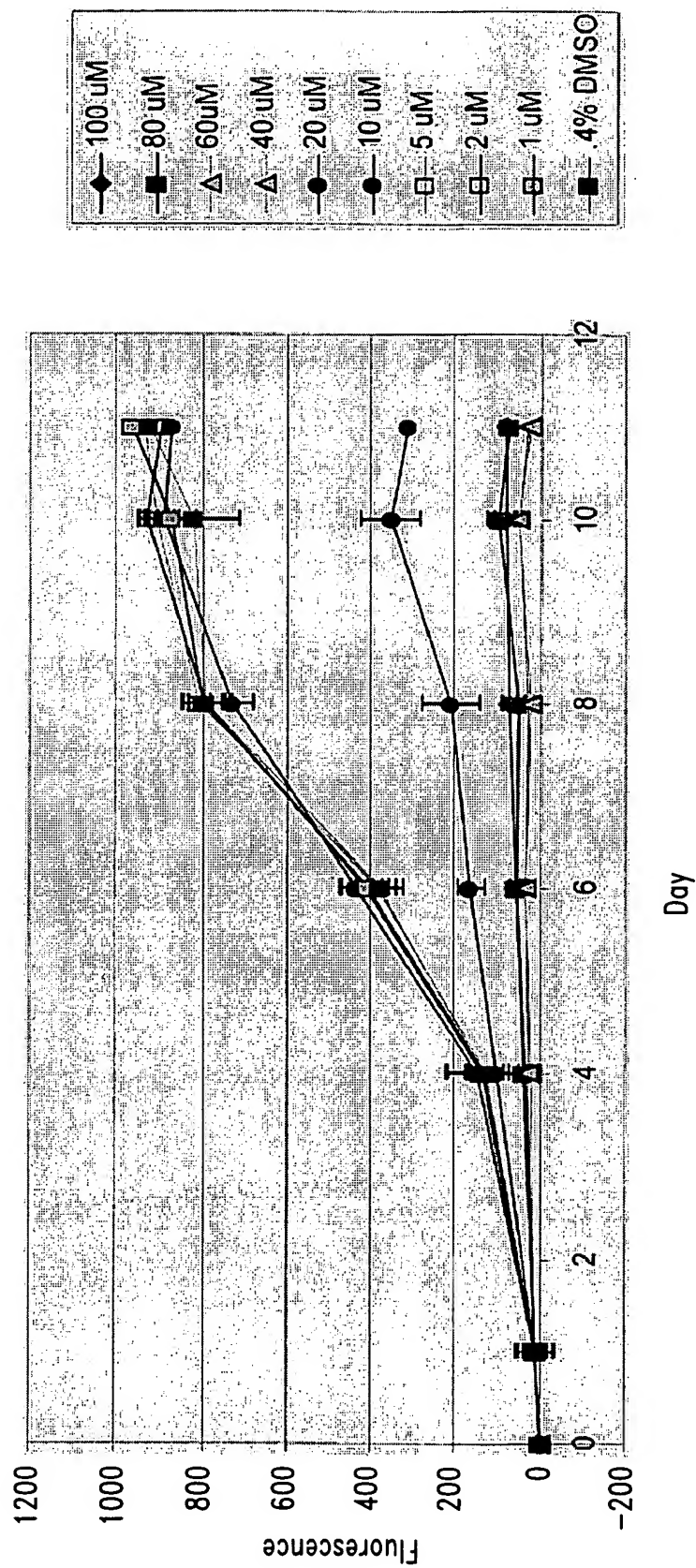


FIG. 5E

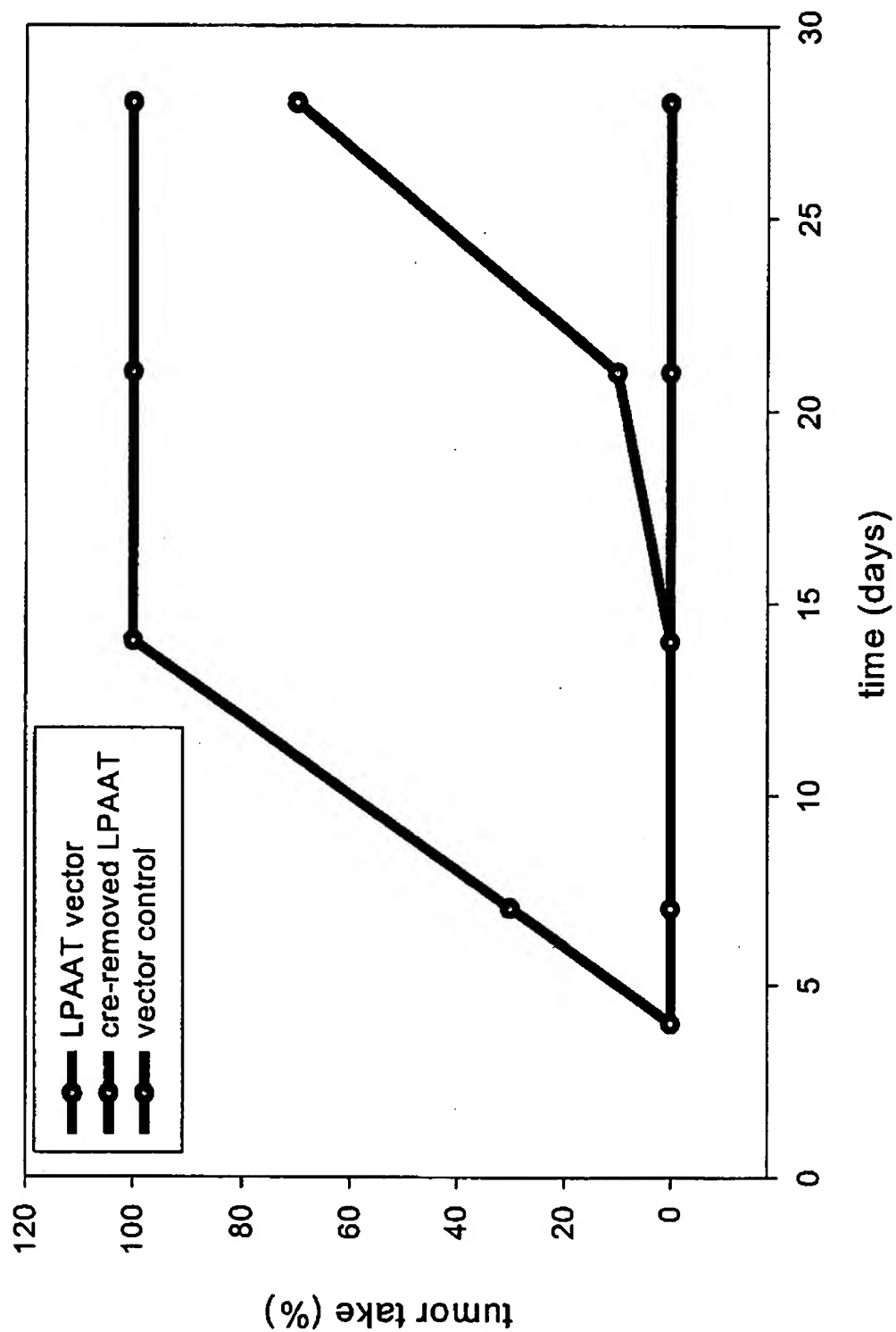


FIG. 6A

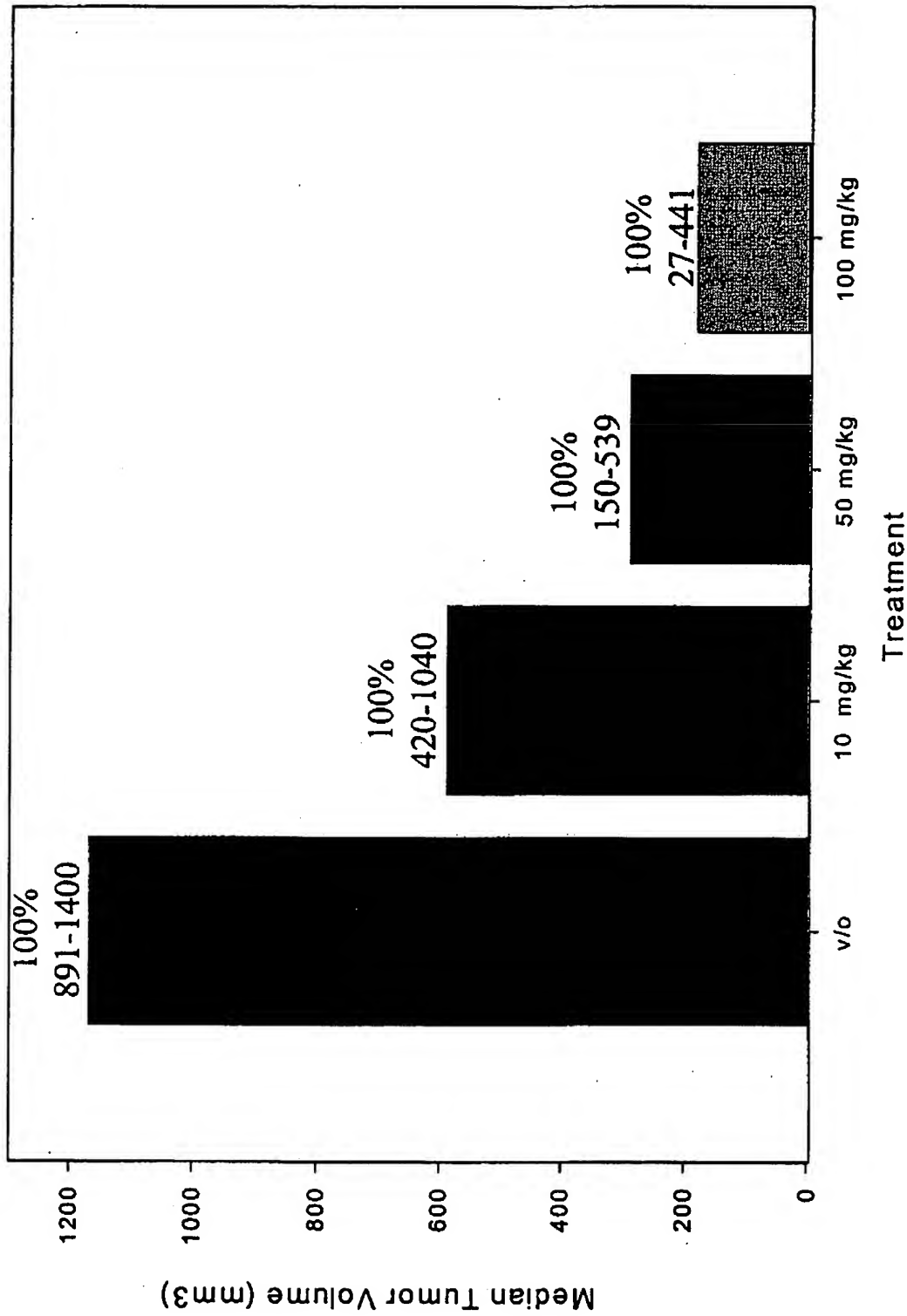


FIG. 6B

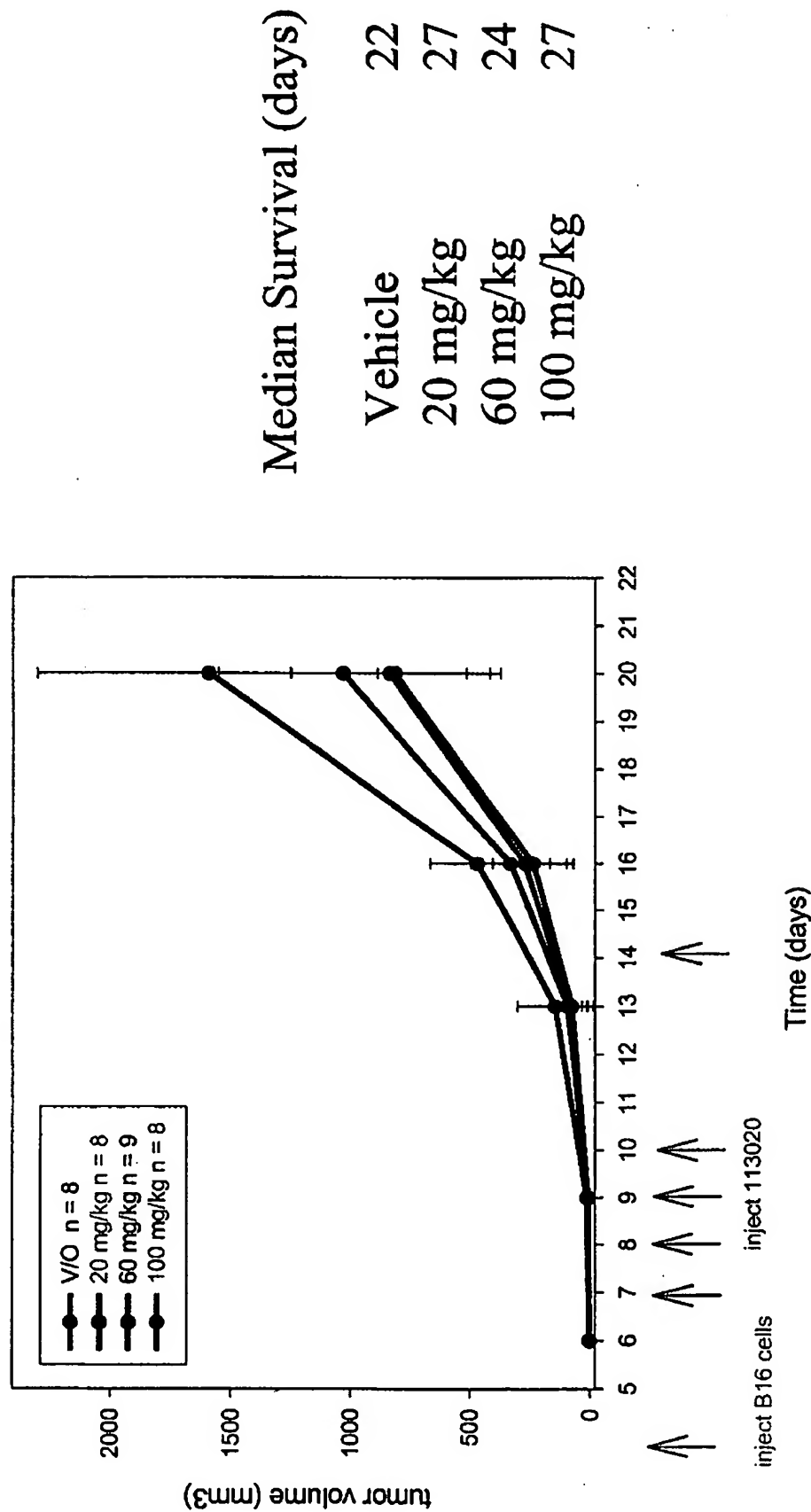
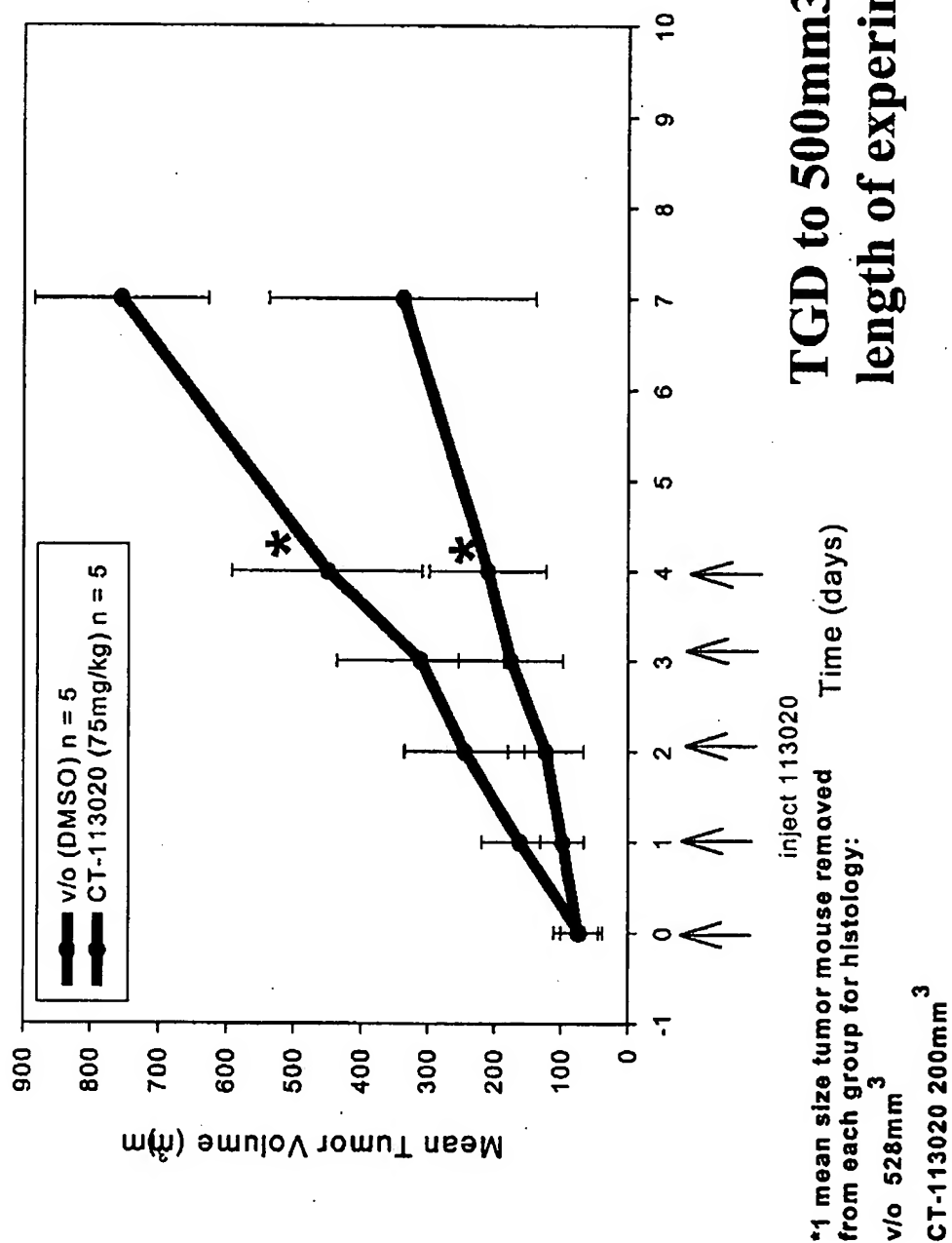
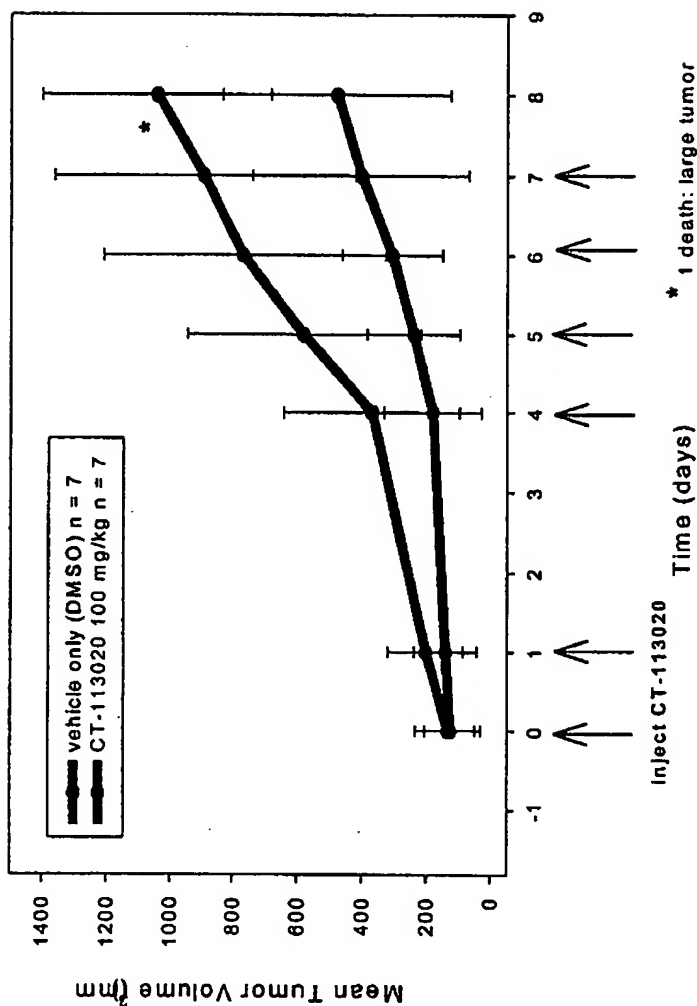


FIG. 6C



TGD to 500mm³ = 4 days
length of experiment = 11 days

FIG. 6D



TGD to 500mm³ = 5 days
 TGD to 1000mm³ = 10 days
 length of experiment = 20 days

FIG. 6E

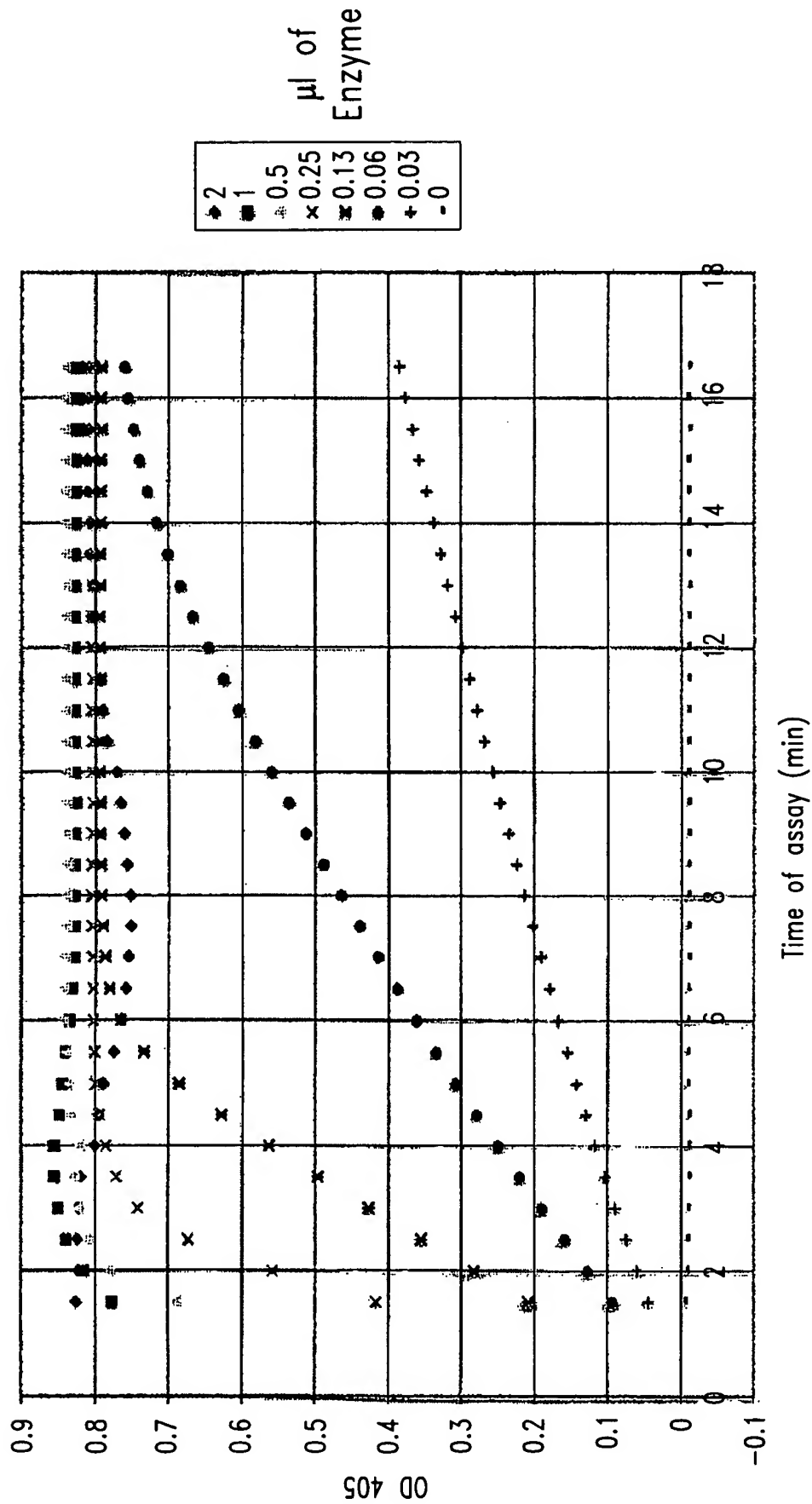


FIG. 7

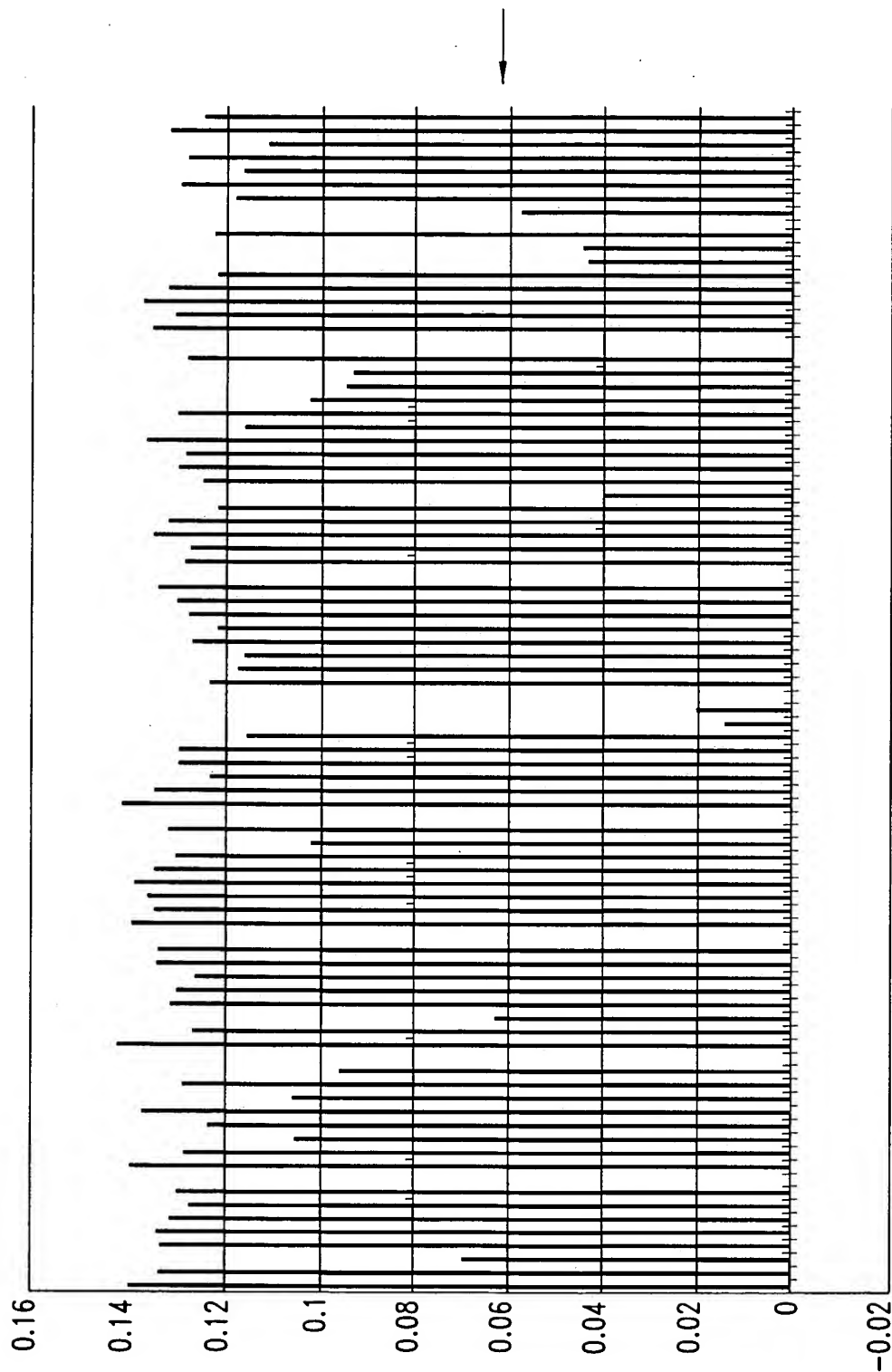


FIG. 8

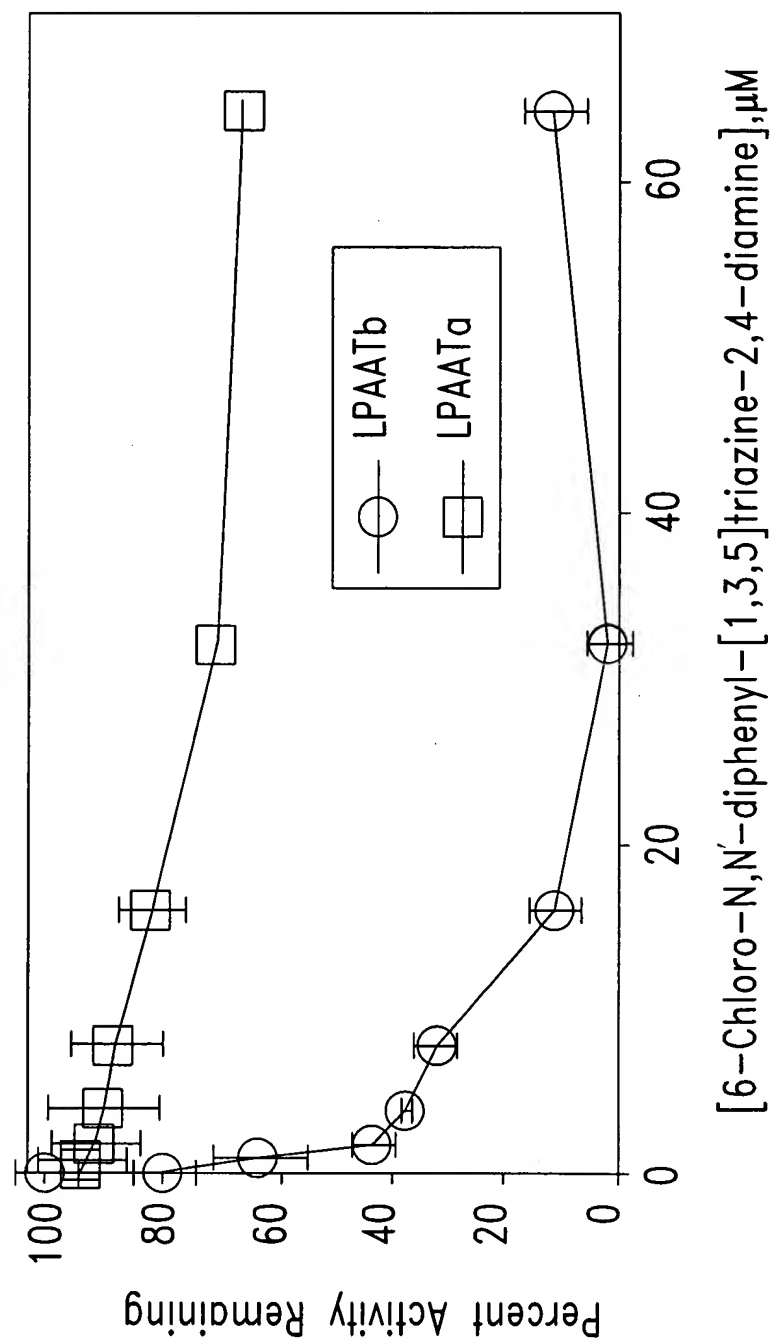


FIG. 9